Closed Topic Search

Enter terms
Search

Reset Sort By: Open Date (descending)

- Relevancy (descending)
- Title (ascending)
- Open Date (ascending)
- Close Date (descending)
- Release Date (descending)

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 21 - 30 of 46 results

1. DHP13-008: A software tool to assess injury risk and maximum allowable exertions for repetitive, forceful one hand and two hand shoulder push/pull motions

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Develop injury criteria, an assessment methodology, a risk analysis software tool and design criteria for repetitive, forceful one and two hand shoulder push/pull motions performed for variable (brief to long) durations while operating military equipment. The injury criteria, assessment methodology and analysis software will be used to evaluate injury risk from man-machine interaction ...

SBIR Defense Health Program

2. DHP13-009: A Software Tool to Assess Injury Risk Associated with Mechanical Exposures From Wearing Head Supported Mass

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Develop injury criteria, methodology, and a software tool to assess the risk of neck injury from loads sustained while wearing head supported mass. The software will characterize the hazards endemic to the ground combat environment and will be used to evaluate products and recommend less hazardous designs and usage scenarios. DESCRIPTION: It is imperative that equipment issued to S ...

SBIR Defense Health Program

3. DHP13-010: A Human Body Model for Computational Assessment of Blast Injury and Protection

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Formulate, develop and demonstrate anatomically consistent, articulated human body model for computational assessment of explosion blast injury loads, body responses and casualty estimation and for analysis of personal protective equipment. DESCRIPTION: Blasts from improvised explosive devices (IEDs) are the most common cause of wounded-in-action injuries and death in recent milita ...

SBIR Defense Health Program

4. DHP13-011: Visual Evoked Potentials for TBI Diagnosis

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Investigate and validate the capability of using visual evoked potentials as a method to aid in the diagnosis mild traumatic brain injury. DESCRIPTION: In Iraq and Afghanistan, 12% of all warriors with battle injuries suffer from traumatic brain injury (TBI). The military"s need to diagnose and triage TBI casualties is described in the Theater Combat Casualty Care Initial Capabi ...

SBIR Defense Health Program

5. DHP13-012: Immediate Application Cranioplasty During Decompressive Craniectomy for Head Injuries

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: To develop a Cranioplasty construct for immediate application during Decompresive Craniectomy for relief of increased intracranial pressure refractory to medical management. The construct spares the costs of a delayed Cranioplasty. DESCRIPTION: Decompressive Craniectomy(ies) (DC) or the neurosurgical emergency procedure removing part of the skull to relieve brain pressure from tra ...

SBIR Defense Health Program

6. DHP13-013: A Point-of-Care Device for Diagnosis of Platelet Injury in Trauma Patients

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Develop a portable, point-of-care device that directly measures the platelet contribution to clot characteristics. DESCRIPTION: Hemorrhage, associated with trauma is one of the leading causes of preventable death on the modern battlefield. Posttraumatic hemostasis is often impaired by the rapid onset of coagulopathy which has been observed in

up to 36% of trauma patients. Trauma-as ...

SBIR Defense Health Program

7. DHP13-014: Tailored Wound Dressing for the Treatment of Burns

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Develop a tailored wound dressing for the treatment of burned or severely damaged wounds which uses a unique protective coating. This dressing should be composed of a nano-thin layer of carbon deposit on a highly permeable silicone film. This wound dressing must allow the body to naturally grow news cells at the wound site and, at the same time, prevent the growth of bacteria. DES ...

SBIR Defense Health Program

8. DHP13-015: A Universal Device for Performing Cricothyrotomies

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: To develop an all-in-one universal device for performing cricothyrotomies to more effectively manage airway trauma in the battlefield. DESCRIPTION: A cricothyrotomy (or cricothyroidotomy) is an emergency procedure to establish an airway in a patient when intubation attempts are unsuccessful due to acute injury to the head and/or neck. Establishing an airway and restoring oxygen- ...

SBIR Defense Health Program

9. DHP13-016: Development of Technologies that Address the Complex Architecture of the Face During the Treatment of Severe Facial Burn Injury

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: The objective of this effort is to develop new innovative technologies that address the complex architecture of the face to facilitate the treatment, effectiveness, recovery and outcomes from treatment for severe facial burn injury. DESCRIPTION: Here we recognize 450,000 burn injuries requiring medical treatment occur in the U.S. each year. Approximately 55% of 45,000 of acute hosp ...

SBIR Defense Health Program

10. DHP13-017: Assistive Technology Sensor Platform

Release Date: 04-24-2013Open Date: 05-24-2013Due Date: 06-26-2013Close Date: 06-26-2013

OBJECTIVE: Develop advanced sensor technologies that allow for the prosthesis socket and/or prosthetic components to respond to signals from the residual limb based on sensing from within the socket at the residual limb interface. Develop the ability to place sensors

comfortably, safely and unobtrusively within the intimate confines of the socket-limb interface. Design and build ruggedized, low- ...

SBIR Defense Health Program

- First
- Previous
- 1
- 2
- 3
- 4
- 5
- Next
- Last

jQuery(document).ready(function() { (function ($) { $('#edit-keys').attr("placeholder", 'Search Keywords'); $('span.ext').hide(); })(jQuery); });